

Title (en)

Liquid composition, set, liquid cartridge, inkjet recording method, and inkjet recording apparatus

Title (de)

Flüssige Zusammensetzung, Satz, Flüssigkeitspatrone, Tintenstrahlaufzeichnungsverfahren und Tintenstrahlaufzeichnungsvorrichtung

Title (fr)

Composition liquide, ensemble, cartouche liquide, procédé d'enregistrement à jet d'encre et appareil d'enregistrement à jet d'encre

Publication

EP 2295509 B1 20130109 (EN)

Application

EP 10008807 A 20100824

Priority

JP 2009209538 A 20090910

Abstract (en)

[origin: EP2295509A1] A liquid composition used in combination with an ink containing a coloring material is ejected by the action of thermal energy from a recording head including a heating resistor having a protecting layer that contains at least one of a metal and a metal oxide and that is to come into contact with the liquid composition. The liquid composition contains an organic acid having a carboxy group, an alkali metal ion, an organic acid having a sulfonate group, a polyvalent metal ion, and water.

IPC 8 full level

B41J 2/01 (2006.01); **B41M 5/00** (2006.01); **C09D 11/00** (2014.01); **C09D 11/322** (2014.01); **C09D 11/324** (2014.01); **C09D 11/54** (2014.01)

CPC (source: EP US)

C09D 11/38 (2013.01 - EP US); **C09D 11/40** (2013.01 - EP US); **C09D 11/54** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2295509 A1 20110316; **EP 2295509 B1 20130109**; CN 102020887 A 20110420; CN 102020887 B 20140122; JP 2011079304 A 20110421; JP 5709441 B2 20150430; US 2011057993 A1 20110310; US 8220904 B2 20120717

DOCDB simple family (application)

EP 10008807 A 20100824; CN 201010283645 A 20100910; JP 2010197849 A 20100903; US 87495410 A 20100902